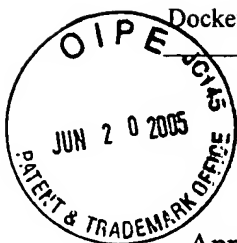


ITW



INFORMATION DISCLOSURE STATEMENT

Applicant : Sampsell et al.
App. No : 10/644,312
Filed : August 19, 2003
For : SEPARABLE MODULATOR
Examiner : Unknown
Art Unit : 2673

CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

June 16, 2005

(Date)

Mark M. Abumeri, Reg. No. 43,458

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing 311 references to be considered by the Examiner, which includes 12 foreign patent references and 27 non-patent literature. Hardcopies of the 39 foreign and non-patent literature references are enclosed herewith.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required. If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

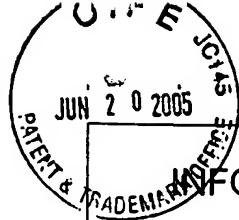
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated:

June 16, 2005

By:

Mark M. Abumeri
Registration No. 43,458
Attorney of Record
Customer No. 20,995
(619) 235-8550



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 12

Application No.	10/644,312
Filing Date	August 19, 2003
First Named Inventor	Sampsell, Jeffrey
Art Unit	2673
Examiner	Unknown
Attorney Docket No.	IRDM.029CPCDCP / IDC-0005B1C1D1B1

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	2,534,846	12-19-1950	Ambrose et al.	
	2	3,439,973	04-22-1969	Paul et al.	
	3	3,443,854	05-13-1969	Weiss	
	4	3,653,741	04-04-1972	Marks	
	5	3,656,836	04-18-1972	de Cremoux et al.	
	6	3,813,265	05-28-1974	Marks	
	7	3,955,880	05-11-1976	Lierke	
	8	4,099,854	07-11-1978	Decker et al.	
	9	4,228,437	10-14-1980	Shelton	
	10	4,377,324	03-22-1983	Durand et al.	
	11	4,389,096	06-21-1983	Hori et al.	
	12	4,392,711	07-12-1983	Moraw et al.	
	13	4,403,248	09-06-1983	te Velde	
	14	4,441,791	04-10-1984	Hornbeck	
	15	4,445,050	04-24-1984	Marks	
	16	4,459,182	07-10-1984	te Velde	
	17	4,482,213	11-13-1984	Piliavin et al.	
	18	4,500,171	02-19-1985	Penz et al.	
	19	4,519,676	05-28-1985	te Velde	
	20	4,531,126	07-23-1985	Sadones	
	21	4,566,935	01-28-1986	Hornbeck	
	22	4,571,603	02-18-1986	Hornbeck et al.	
	23	4,596,992	06-24-1986	Hornbeck	
	24	4,615,595	10-07-1986	Hornbeck	
	25	4,662,746	05-05-1987	Hornbeck	
	26	4,663,083	05-05-1987	Marks	
	27	4,681,403	07-21-1987	te Velde et al.	
	28	4,710,732	12-01-1987	Hornbeck	
	29	4,748,366	05-31-1988	Taylor	

Examiner Signature

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/644,312
	Filing Date	August 19, 2003
	First Named Inventor	Sampsell, Jeffrey
	Art Unit	2673
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 2 OF 12	Attorney Docket No.	IRDM.029CPCDCP / IDC-0005B1C1D1B1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	30	4,786,128	11-22-1988	Birnbach	
	31	4,790,635	12-13-1988	Apsley	
	32	4,856,863	08-15-1989	Sampsell et al.	
	33	4,857,978	08-15-1989	Goldburt et al.	
	34	4,900,136	02-13-1990	Goldburt et al.	
	35	4,900,395	02-13-1990	Syverson et al.	
	36	4,954,789	09-04-1990	Sampsell	
	37	4,956,619	09-11-1990	Hornbeck	
	38	4,965,562	10-23-1990	Verhulst	
	39	4,982,184	01-01-1991	Kirkwood	
	40	5,018,256	05-28-1991	Hornbeck	
	41	5,022,745	06-11-1991	Zahowski et al.	
	42	5,028,939	07-02-1991	Hornbeck et al.	
	43	5,037,173	08-06-1991	Sampsell et al.	
	44	5,044,736	09-03-1991	Jaskie et al.	
	45	5,061,049	10-29-1991	Hornbeck	
	46	5,075,796	12-24-1991	Schildkraut et al.	
	47	5,078,479	01-07-1992	Vuilleumier	
	48	5,079,544	01-07-1992	DeMond et al.	
	49	5,083,857	01-28-1992	Hornbeck	
	50	5,096,279	03-17-1992	Hornbeck et al.	
	51	5,099,353	03-24-1992	Hornbeck	
	52	5,124,834	06-23-1992	Cusano et al.	
	53	5,142,405	08-25-1992	Hornbeck	
	54	5,142,414	08-25-1992	Koehler	
	55	5,153,771	10-06-1992	Link et al.	
	56	5,162,787	11-10-1992	Thompson et al.	
	57	5,168,406	12-01-1992	Nelson	
	58	5,170,156	12-08-1992	DeMond et al.	

Examiner Signature	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/644,312
	Filing Date	August 19, 2003
	First Named Inventor	Sampsell, Jeffrey
	Art Unit	2673
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 3 OF 12	Attorney Docket No.	IRDM.029CPCDCP / IDC-0005B1C1D1B1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	59	5,172,262	12-15-1992	Hornbeck	
	60	5,179,274	01-12-1993	Sampsell	
	61	5,192,395	03-09-1993	Boysel et al.	
	62	5,192,946	03-09-1993	Thompson et al.	
	63	5,206,629	04-27-1993	DeMond et al.	
	64	5,214,419	05-25-1993	DeMond et al.	
	65	5,214,420	05-25-1993	Thompson et al.	
	66	5,216,537	06-01-1993	Hornbeck	
	67	5,226,099	07-06-1993	Mignardi et al.	
	68	5,228,013	07-13-1993	Bik	
	69	5,231,532	07-27-1993	Magel et al.	
	70	5,233,385	08-03-1993	Sampsell	
	71	5,233,456	08-03-1993	Nelson	
	72	5,233,459	08-03-1993	Bozler et al.	
	73	5,254,980	10-19-1993	Hendrix et al.	
	74	5,272,473	12-21-1993	Thompson et al.	
	75	5,278,652	01-11-1994	Urbanus et al.	
	76	5,280,277	01-18-1994	Hornbeck	
	77	5,287,096	02-15-1994	Thompson et al.	
	78	5,293,272	03-08-1994	Jannson et al.	
	79	5,296,950	03-22-1994	Lin et al.	
	80	5,305,640	04-26-1994	Boysel et al.	
	81	5,311,360	05-10-1994	Bloom et al.	
	82	5,312,513	05-17-1994	Florence et al.	
	83	5,323,002	06-21-1994	Sampsell et al.	
	84	5,324,683	06-28-1994	Fitch et al.	
	85	5,325,116	06-28-1994	Sampsell	
	86	5,326,430	07-05-1994	Cronin et al.	
	87	5,327,286	07-05-1994	Sampsell et al.	

Examiner Signature	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/644,312
	Filing Date	August 19, 2003
	First Named Inventor	Sampsell, Jeffrey
	Art Unit	2673
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 4 OF 12	Attorney Docket No.	IRDM.029CPCDCP / IDC-0005B1C1D1B1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	88	5,331,454	07-19-1994	Hornbeck	
	89	5,339,116	08-16-1994	Urbanus et al.	
	90	5,355,357	10-11-1994	Yamamori et al.	
	91	5,358,601	10-25-1994	Cathey	
	92	5,365,283	11-15-1994	Doherty et al.	
	93	5,381,253	01-10-1995	Sharp et al.	
	94	5,401,983	03-28-1995	Jokerst et al.	
	95	5,411,769	05-02-1995	Hornbeck	
	96	5,444,566	08-22-1995	Gale et al.	
	97	5,446,479	08-29-1995	Thompson et al.	
	98	5,448,314	09-05-1995	Heimbuch et al.	
	99	5,452,024	09-19-1995	Sampsell	
	100	5,454,906	10-03-1995	Baker et al.	
	101	5,457,493	10-10-1995	Leddy et al.	
	102	5,457,566	10-10-1995	Sampsell et al.	
	103	5,459,602	10-17-1995	Sampsell	
	104	5,459,610	10-17-1995	Bloom et al.	
	105	5,461,411	10-24-1995	Florence et al.	
	106	5,474,865	12-12-1995	Vasudev	
	107	5,489,952	02-06-1996	Gove et al.	
	108	5,497,172	03-05-1996	Doherty et al.	
	109	5,497,197	03-05-1996	Gove et al.	
	110	5,499,037	03-12-1996	Nakagawa et al.	
	111	5,499,062	03-12-1996	Urbanus	
	112	5,500,635	03-19-1996	Mott	
	113	5,500,761	03-19-1996	Goossen et al.	
	114	5,506,597	04-09-1996	Thompson et al.	
	115	5,515,076	05-07-1996	Thompson et al.	
	116	5,517,347	05-14-1996	Sampsell	

Examiner Signature	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	10/644,312
	Filing Date	August 19, 2003
	First Named Inventor	Sampsell, Jeffrey
	Art Unit	2673
	Examiner	Unknown
SHEET 5 OF 12	Attorney Docket No.	IRDM.029CPCDCP / IDC-0005B1C1D1B1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	117	5,523,803	06-04-1996	Urbanus et al.	
	118	5,526,051	06-11-1996	Gove et al.	
	119	5,526,172	06-11-1996	Kanack	
	120	5,526,327	06-11-1996	Cordova, Jr.	
	121	5,526,688	06-18-1996	Boysel et al.	
	122	5,535,047	07-09-1996	Hornbeck	
	123	5,548,301	08-20-1996	Kornher et al.	
	124	5,551,293	09-03-1996	Boysel et al.	
	125	5,552,924	09-03-1996	Tregilgas	
	126	5,552,925	09-03-1996	Worley	
	127	5,559,358	09-24-1996	Burns et al.	
	128	5,563,398	10-08-1996	Sampsell	
	129	5,567,334	10-22-1996	Baker et al.	
	130	5,570,135	10-29-1996	Gove et al.	
	131	5,579,149	11-26-1996	Moret et al.	
	132	5,581,272	12-03-1996	Conner et al.	
	133	5,583,688	12-10-1996	Hornbeck	
	134	5,589,852	12-31-1996	Thompson et al.	
	135	5,597,736	01-28-1997	Sampsell	
	136	5,600,383	02-04-1997	Hornbeck	
	137	5,602,671	02-11-1997	Hornbeck	
	138	5,606,441	02-25-1997	Florence et al.	
	139	5,608,468	03-04-1997	Gove et al.	
	140	5,610,438	03-11-1997	Wallace et al.	
	141	5,610,624	03-11-1997	Bhuva	
	142	5,610,625	03-11-1997	Sampsell	
	143	5,619,059	04-08-1997	Li et al.	
	144	5,619,365	04-08-1997	Rhoades et al.	
	145	5,619,366	04-08-1997	Rhoads et al.	

Examiner Signature	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	10/644,312
	Filing Date	August 19, 2003
	First Named Inventor	Sampsell, Jeffrey
	Art Unit	2673
	Examiner	Unknown
SHEET 6 OF 12	Attorney Docket No.	IRDM.029CPCDCP / IDC-0005B1C1D1B1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	146	5,629,790	05-13-1997	Neukermans et al.	
	147	5,636,052	06-03-1997	Arney et al.	
	148	5,636,185	06-03-1997	Brewer et al.	
	149	5,646,768	07-08-1997	Kaeiyama	
	150	5,650,881	07-22-1997	Hornbeck	
	151	5,654,741	08-05-1997	Sampsell et al.	
	152	5,657,099	08-12-1997	Doherty et al.	
	153	5,659,374	08-19-1997	Gale, Jr. et al.	
	154	5,665,997	09-09-1997	Weaver et al.	
	155	5,673,139	09-30-1997	Johnson	
	156	5,683,591	11-04-1997	Offenberg	
	157	5,703,710	12-30-1997	Brinkman et al.	
	158	5,710,656	01-20-1998	Goosen	
	159	5,726,480	03-10-1998	Pister	
	160	5,739,945	04-14-1998	Tayebati	
	161	5,745,193	04-28-1998	Urbanus et al.	
	162	5,745,281	04-28-1998	Yi et al.	
	163	5,771,116	06-23-1998	Miller et al.	
	164	5,784,190	07-21-1998	Worley	
	165	5,784,212	07-21-1998	Hornbeck	
	166	5,793,504	08-11-1998	Stoll	
	167	5,808,780	09-15-1998	McDonald	
	168	5,818,095	10-06-1998	Sampsell	
	169	5,825,528	10-20-1998	Goosen	
	170	5,835,255	11-10-1998	Miles	
	171	5,842,088	11-24-1998	Thompson	
	172	5,912,758	06-15-1999	Knipe et al.	
	173	5,943,158	08-24-1999	Ford et al.	
	174	5,986,796	11-16-1999	Miles	

Examiner Signature	Date Considered
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/644,312
	Filing Date	August 19, 2003
	First Named Inventor	Sampsell, Jeffrey
	Art Unit	2673
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 7 OF 12	Attorney Docket No.	IRDM.029CPCDCP / IDC-0005B1C1D1B1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	175	6,028,690	02-22-2000	Carter et al.	
	176	6,038,056	03-14-2000	Florence et al.	
	177	6,040,937	03-21-2000	Miles	
	178	6,049,317	04-11-2000	Thompson et al.	
	179	6,055,090	04-25-2000	Miles	
	180	6,061,075	05-09-2000	Nelson et al.	
	181	6,099,132	08-08-2000	Kaeriyama	
	182	6,100,872	08-08-2000	Aratani et al.	
	183	6,113,239	09-05-2000	Sampsell et al.	
	184	6,147,790	11-14-2000	Meier et al.	
	185	6,158,156	12-12-2000	Patrick, David	
	186	6,160,833	12-12-2000	Floyd et al.	
	187	6,180,428	01-30-2001	Peeters et al.	
	188	6,201,633	03-13-2001	Peeters et al.	
	189	6,232,936	05-15-2001	Gove et al.	
	190	6,243,149	06-05-2001	Swanson et al.	
	191	6,282,010	08-28-2001	Sulzbach et al.	
	192	6,295,154	09-25-2001	Laor et al.	
	193	6,323,982	11-27-2001	Hornbeck	
	194	6,335,831	01-01-2002	Kowarz et al.	
	195	6,407,851	06-18-2002	Islam et al.	
	196	6,447,126	09-10-2002	Hornbeck	
	197	6,465,355	10-15-2002	Horsley	
	198	6,466,358	10-15-2002	Tew	
	199	6,473,274	10-29-2002	Maimone et al.	
	200	6,480,177	11-12-2002	Doherty et al.	
	201	6,496,122	12-17-2002	Sampsell	
	202	6,545,335	04-08-2003	Chua et al.	
	203	6,548,908	04-15-2003	Chua et al.	

Examiner Signature	Date Considered
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/644,312
	Filing Date	August 19, 2003
	First Named Inventor	Sampsell, Jeffrey
	Art Unit	2673
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 8 OF 12	Attorney Docket No.	IRDM.029CPCDCP / IDC-0005B1C1D1B1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	204	6,549,338	04-15-2003	Wolverton et al.	
	205	6,552,840	04-22-2003	Knipe	
	206	6,574,033	06-03-2003	Chui et al.	
	207	6,589,625	07-08-2003	Kothari et al.	
	208	6,600,201	07-29-2003	Hartwell et al.	
	209	6,606,175	08-12-2003	Sampsell et al.	
	210	6,625,047	09-23-2003	Coleman, Jr., deceased	
	211	6,630,786	10-07-2003	Cummings et al.	
	212	6,632,698	10-14-2003	Ives	
	213	6,643,069	11-04-2003	Dewald	
	214	6,650,455	11-18-2003	Miles, Mark W.	
	215	6,666,561	12-23-2003	Blakley	
	216	6,674,033	01-06-2004	Chui et a.	
	217	6,674,562	01-06-2004	Miles et al.	
	218	6,680,792	01-20-2004	Miles	
	219	6,710,908	03-23-2004	Miles et al.	
	220	6,741,377	05-25-2004	Miles	
	221	6,741,384	05-25-2004	Martin et al.	
	222	6,741,503	05-25-2004	Farris et al.	
	223	6,747,785	06-08-2004	Chen et al.	
	224	6,775,174	08-10-2004	Huffman et al.	
	225	6,778,155	08-17-2004	Doherty et al.	
	226	6,794,119	09-21-2004	Miles	
	227	6,811,267	11-02-2004	Allen et al.	
	228	6,819,469	11-16-2004	Koba	
	229	6,822,628	11-23-2004	Dunphy et al.	
	230	6,829,132	12-07-2004	Martin et al.	
	231	6,853,129	02-08-2005	Cummings et al.	
	232	6,855,610	02-15-2005	Tung et al.	

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	Filing Date	August 19, 2003
	First Named Inventor	Sampsell, Jeffrey
	Art Unit	2673
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 9 OF 12	Attorney Docket No.	IRDM.029CPCDCP / IDC-0005B1C1D1B1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/644,312
	Filing Date	August 19, 2003
	First Named Inventor	Sampsel, Jeffrey
	Art Unit	2673
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 10 OF 12	Attorney Docket No.	IRDM.029CPCDCP / IDC-0005B1C1D1B1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	262	20040218251	11-04-2004	Piehl et al.	
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Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
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	Filing Date	August 19, 2003
	First Named Inventor	Sampsell, Jeffrey
	Art Unit	2673
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 11 OF 12	Attorney Docket No.	IRDM.029CPCDCP / IDC-0005B1C1D1B1

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
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	Filing Date	August 19, 2003
	First Named Inventor	Sampsell, Jeffrey
	Art Unit	2673
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 12 OF 12	Attorney Docket No.	IRDM.029CPCDCP / IDC-0005B1C1D1B1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
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